

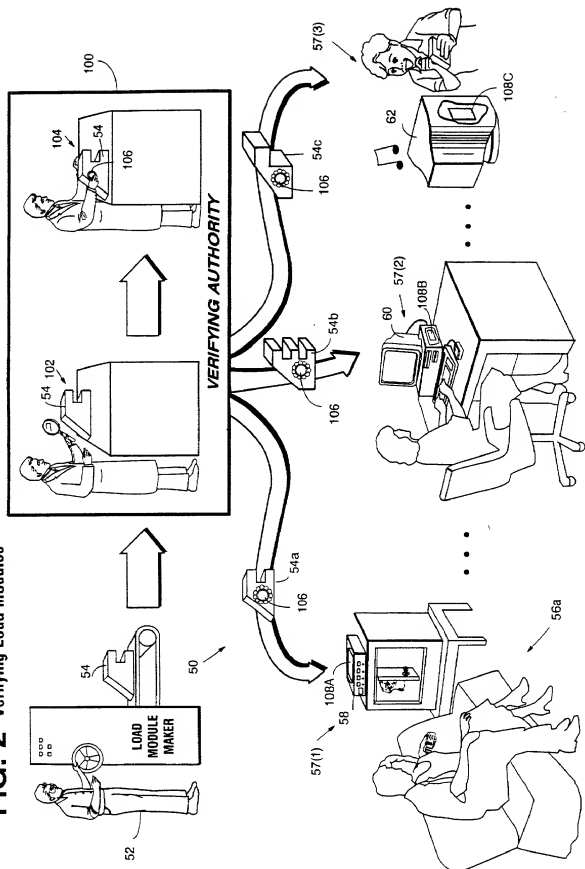
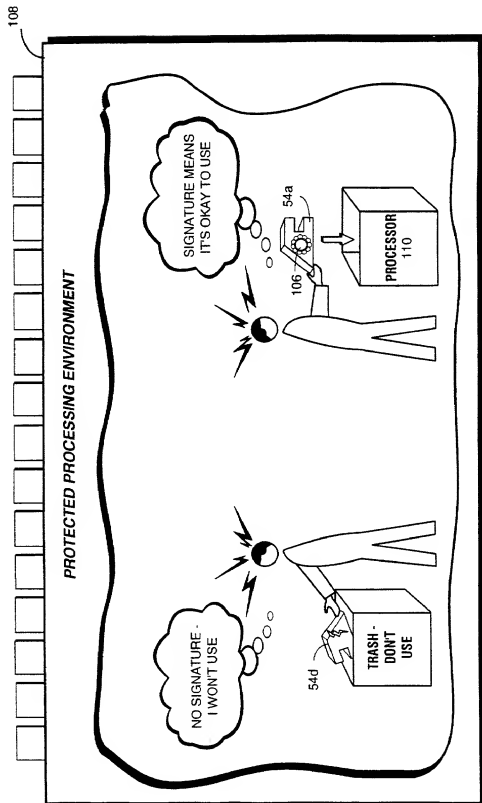
FIG. 2 Verifying Load Modules

FIG. 3 Before Protected Processing Environment Uses A Load Module, It Checks To See If Load Module Has Been Verified



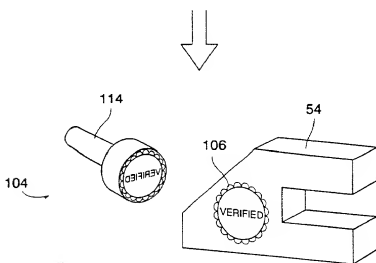
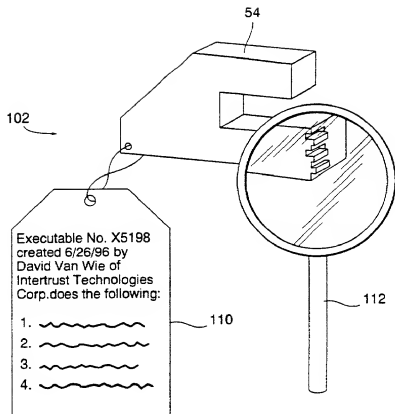


FIG. 4
Certifying Load Module by
Checking it Against its Documentation

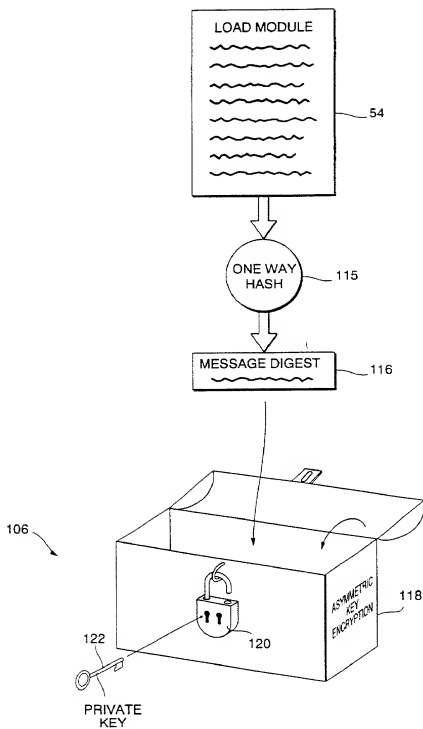
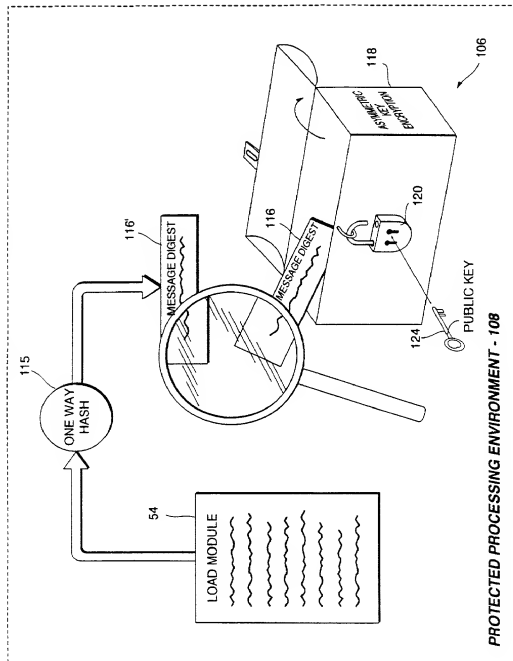


FIG. 5
Creating a Certifying
Digital Signature

**FIG. 6** Authenticating a Digital Signature

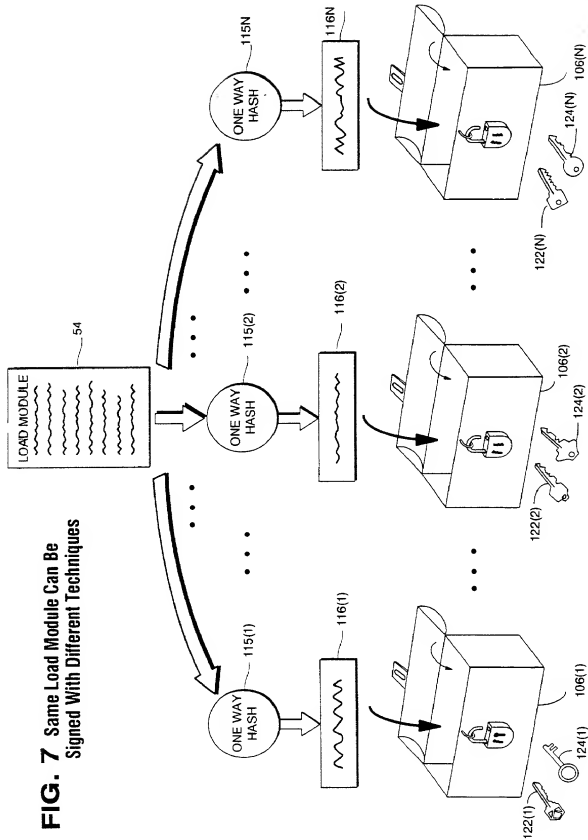


FIG. 8 Same Load Module Can Be Distributed with Multiple Signatures

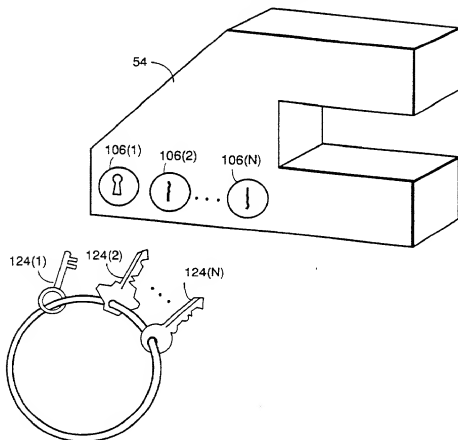


FIG. 8A Different Processing Environments Can Have Different Subsets of Keys

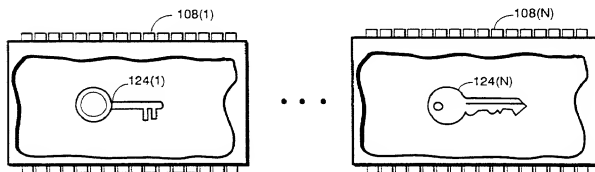
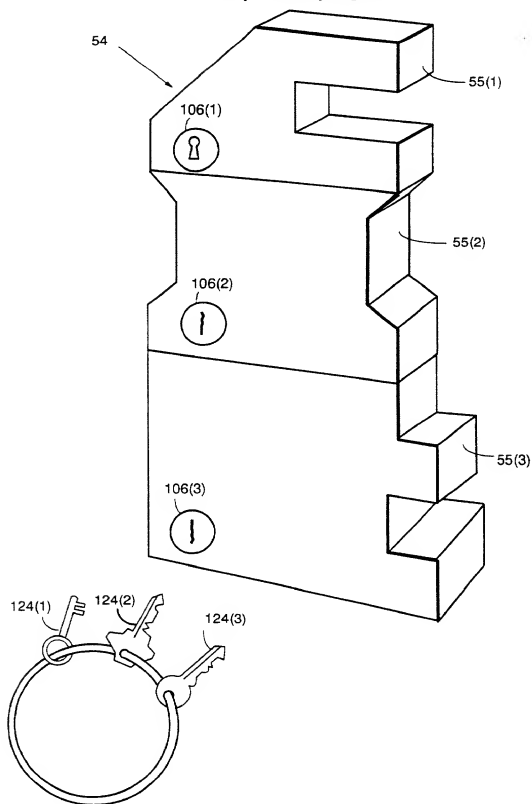


FIG. 9 Load Module Can Have Several Independently Signed Portions



**FIG. 10A Assurance Level I
Software-Based
Protected Processing Environment**

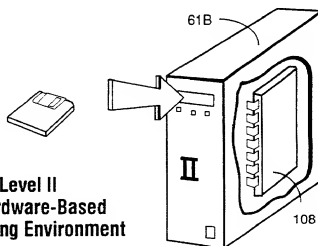


FIG. 10B Assurance Level II
Software and Hardware-Based
Protected Processing Environment

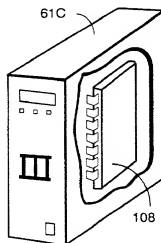


FIG. 10C Assurance Level III
Hardware-Based
Protected Processing Environment

FIG. 11A Level I
Digital Signature

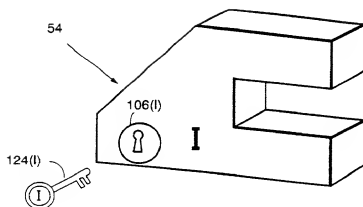


FIG. 11B Level II
Digital Signature

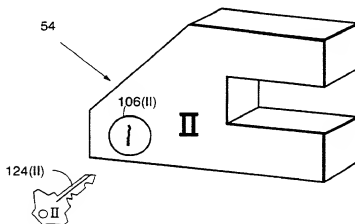
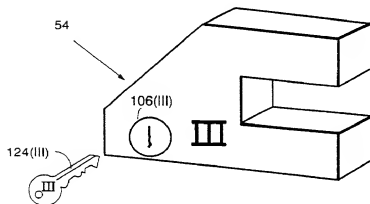


FIG. 11C Level III
Digital Signature



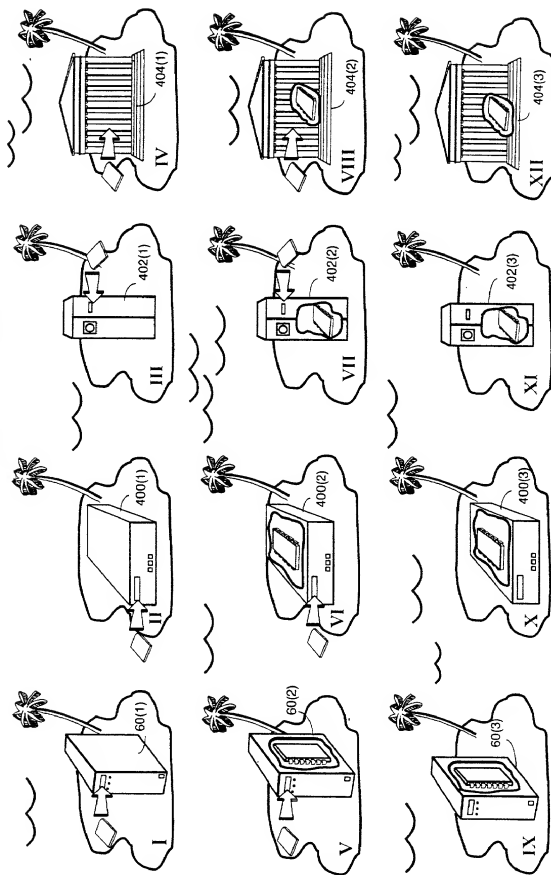


FIG. 12 Using Digital Signatures For Compartmentalizing Different Assurance Levels

FIG. 13 Multiple Assurance Levels

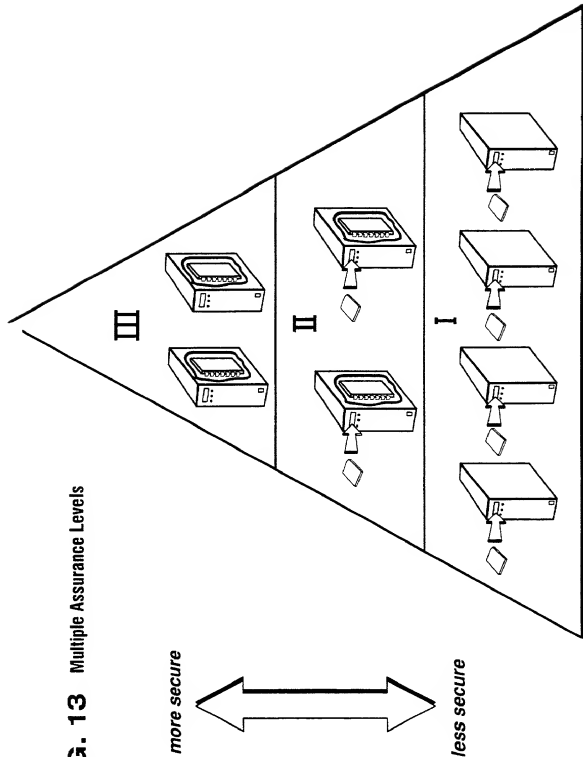
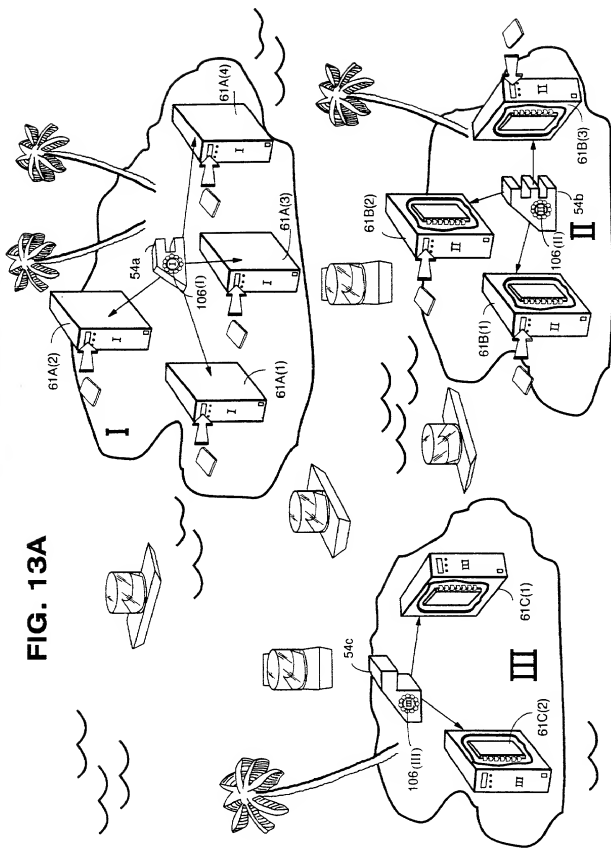


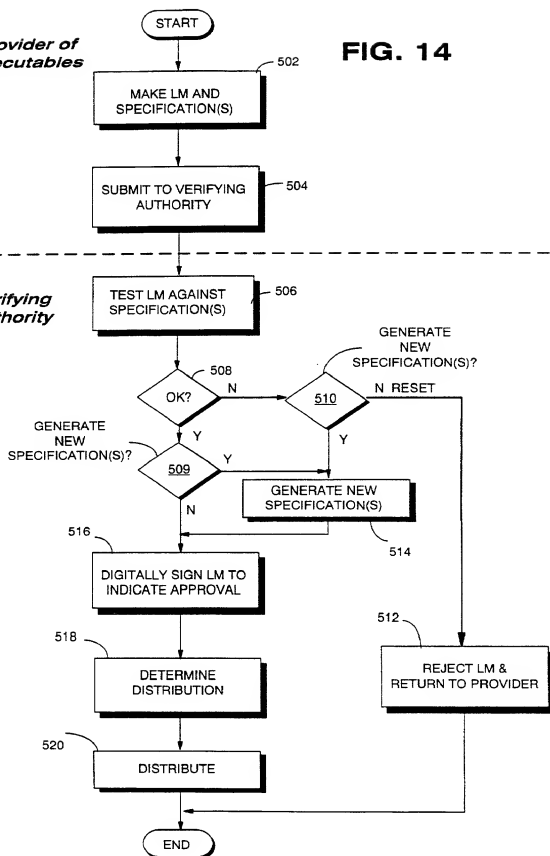
FIG. 13A



*Provider of
Executables*

FIG. 14

*Verifying
Authority*



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